WHAT IS CLAIMED IS:

1	1. A method of detecting cancer cells in a biological sample from a				
2	mammal, the method comprising the steps of:				
3	(i) providing the biological sample from the mammal; and				
4	(ii) detecting an overexpression of a Pellino 1 polypeptide comprising at least				
5	70% amino acid identity to SEQ ID NO:2 or a Pellino 2 polypeptide comprising at least 70%				
6	amino acid identity to SEQ ID NO:4 in the biological sample, thereby detecting the presence				
7	of cancer cells in the biological sample.				
1	2. The method of claim 1, wherein the Pellino 1 polypeptide has an				
2	amino acid sequence of SEQ ID NO:2 or the Pellino 2 polypeptide has an amino acid				
3	sequence of SEQ ID NO:4.				
1	3. The method of claim 1, wherein the Pellino 1 or Pellino 2 polypeptide				
2	is detected using an antibody that selectively binds to the polypeptide.				
1	4. The method of claim 1, wherein the detecting step comprises detecting				
2	an mRNA that encodes the Pellino 1 or Pellino 2 polypeptide.				
1	5. The method of claim 1, wherein the cancer cells are from an epithelial				
2	cancer.				
1	6. The method of claim 5, wherein the epithelial cancer is a lung, colon,				
2	or ovarian cancer.				
1	7. The method of claim 1, wherein the mammal is a human.				
1	8. A method of detecting cancer cells in a biological sample from a				
2	mammal, the method comprising the steps of:				
3	(i) providing the biological sample from the mammal; and				
4	(ii) detecting an increase in copy number of a gene encoding a Pellino 1				
5	polypeptide comprising at least 70% amino acid identity to SEQ ID NO:2 or a Pellino 2				
6	polypeptide comprising at least 70% amino acid identity to SEQ ID NO:4 in the biological				
7	sample, thereby detecting the presence of cancer cells in the biological sample.				
1	9. The method of claim 8, wherein the detecting step further comprises:				

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2	(a)	contacting the gene with a probe that selectively hybridizes to the gene			
3	under conditions in which the probe selectively hybridizes to the gene to form a stable				
4	hybridization comp	olex; and			
5	(b) detecting the hybridization complex.				
1	10.	The method of claim 8, wherein the Pellino 1 polypeptide has an			
2	amino acid sequen	acid sequence of SEQ ID NO:2 or the Pellino 2 polypeptide has an amino acid			
3	sequence of SEQ ID NO:4.				
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1	11.	The method of claim 8, wherein the cancer cells are from an epithelial			
2	cancer.				
1	12.	The method of claim 11, wherein the epithelial cancer is a lung, colon,			
2	or ovarian cancer.				
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1	13.	The method of claim 8, wherein the mammal is a human.			
1	14.	A method of monitoring the efficacy of a therapeutic treatment of			
2	cancer, the method comprising the steps of:				
3	(i)	providing a biological sample from a mammal undergoing the therapeutic			
4	treatment; and				
5	(ii)	detecting a level of a Pellino 1 polypeptide comprising at least 70% amino			
6	acid identity to SEQ ID NO:2 or a Pellino 2 polypeptide comprising at least 70% amino acid				
7	identity to SEQ ID NO:4, or detecting copy number of a gene encoding the Pellino 1 or				
8	Pellino 2 polypeptide in the biological sample compared to a level or copy number in a				
9	biological sample from the mammal prior to, or earlier in, the therapeutic treatment; thereby				
10	monitoring the ef	ficacy of the therapy.			
1	15	The method of claim 14, wherein the Pellino 1 polypeptide has an			
2	amino acid sequence of SEQ ID NO:2 or the Pellino 2 polypeptide has an amino acid				
3	sequence of SEQ	ID NO:4.			
1	16	. The method of claim 14, wherein the cancer is an epithelial cancer.			
1	17	. The method of claim 15, wherein the epithelial cancer is a lung, colon,			
2	or ovarian cancer				

1	10.	The method of claim 14, wherein the maintains a numan.		
1	19.	A method of identifying a compound that inhibits the activity of a		
2	Pellino 2 polypeptide, the method comprising the steps of:			
3	(i) contacting the compound with a Pellino 2 polypeptide that comprises at			
4	least 90% identity to an amino acid sequence of SEQ ID NO:4; and			
5	(ii) de	tecting a decrease in the activity of the Pellino 2.		
1	20.	The method of claim 19, wherein the Pellino 1 polypeptide has an		
2	amino acid sequence	of SEQ ID NO:2 or the Pellino 2 polypeptide has an amino acid		
3	sequence of SEQ ID NO:4.			
1	21.	The method of claim 19, wherein the Pellino 2 polypeptide is		
2	amplified in the cell compared to normal.			
1	22.	A method of inhibiting proliferation of a cancer cell that		
2	overexpresses a Pellino 1 polypeptide comprising at least 70% amino acid identity to SEQ			
3	ID NO:2 or a Pellino 2 polypeptide comprising at least 70% amino acid identity to SEQ ID			
4	NO:4, the method co	emprising the step of contacting the cancer cell with a therapeutically		
5	effective amount of an inhibitor of the Pellino 1 or 2 polypeptide.			
1	23.	The method of claim 22, wherein the cancer cell is from an epithelial		
2	cancer.			
1	24.	The method of claim 23, wherein the epithelial cancer is a lung, colon		
2	or ovarian cancer cel	11.		
1	25.	The method of claim 22, wherein the Pellino 1 polypeptide has an		
2	amino acid sequence of SEQ ID NO:2 or the Pellino 2 polypeptide has an amino acid			
3	sequence of SEQ ID	NO:4.		
1	26.	The method of claim 22, wherein the inhibitor is identified using the		
2	method of claim 19.			
1	27.	The method of claim 22, wherein the inhibitor is an antibody.		

1		28.	The method of claim 22, wherein the inhibitor is an antisense		
2	polynucleotide).			
1		29.	A isolated nucleic acid encoding a Pellino 2 polypeptide, wherein the		
2	Pellino 2 poly	peptide	comprises at least 95% amino acid sequence identity to SEQ ID NO:4		
1		30.	The nucleic acid of claim 29, wherein the nucleic acid encodes a		
2	Pellino 2 polypeptide comprising an amino acid sequence of SEQ ID NO:4.				
1		31.	The nucleic acid of claim 29, wherein the nucleic acid comprises a		
2	nucleotide sequence of SEQ ID NO:3.				
1		32.	An expression vector comprising the nucleic acid of claim 29.		
1		33.	A host cell comprising the expression vector of claim 32.		
1		34.	An isolated Pellino 2 polypeptide comprising at least 95% amino		
2	acid identity to SEQ ID NO:4.				
1		35.	The polypeptide of claim 34, wherein the polypeptide comprises an		
2	amino acid sequence of SEQ ID NO:4.				
1		36.	The polypeptide of claim 34, wherein the polypeptide specifically		
2	binds to antibodies generated against a polypeptide comprising an amino acid sequence of				
3	SEQ ID NO	:4.			
1		37.	An antibody that specifically binds to the polypeptide of claim 34.		